

Machine Id
DAVIS STANDARD 06D
 Component
Gear Extruder
 Fluid
ESSO SPARTAN EP 220 (--- GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.
 NOTE: Please provide information regarding reservoir capacity, filter type and micron rating with next sample.

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil.

Fluid Condition

The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number	Client Info			AW0004035	AW0003995	---
Sample Date	Client Info			03 Oct 2023	14 Aug 2022	---
Machine Age	mths	Client Info		0	0	---
Oil Age	mths	Client Info		0	9	---
Oil Changed	Client Info			N/A	N/A	---
Sample Status				NORMAL	ATTENTION	---

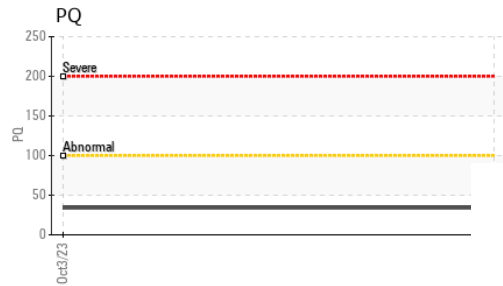
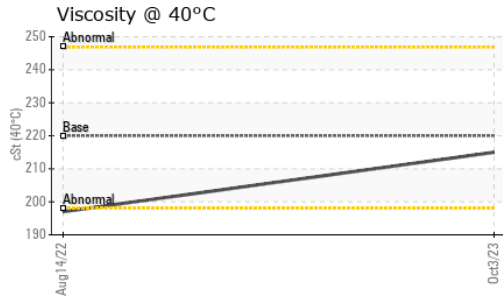
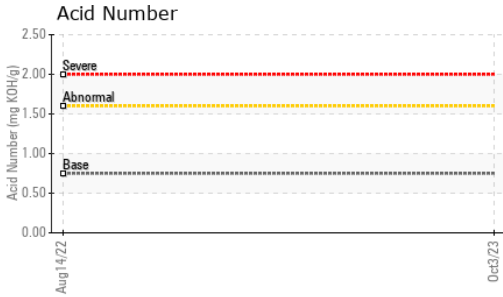
WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184*		34	---	---
Iron	ppm	ASTM D5185(m)	>150	64	71	---
Chromium	ppm	ASTM D5185(m)	>10	0	<1	---
Nickel	ppm	ASTM D5185(m)	>10	<1	<1	---
Titanium	ppm	ASTM D5185(m)		0	0	---
Silver	ppm	ASTM D5185(m)		<1	0	---
Aluminum	ppm	ASTM D5185(m)	>25	<1	0	---
Lead	ppm	ASTM D5185(m)	>100	2	<1	---
Copper	ppm	ASTM D5185(m)	>50	16	7	---
Tin	ppm	ASTM D5185(m)	>10	0	0	---
Antimony	ppm	ASTM D5185(m)	>5	0	<1	---
Vanadium	ppm	ASTM D5185(m)		0	0	---
Beryllium	ppm	ASTM D5185(m)		0	0	---
Cadmium	ppm	ASTM D5185(m)		0	0	---

ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)	.5	1	1	---
Barium	ppm	ASTM D5185(m)		<1	0	---
Molybdenum	ppm	ASTM D5185(m)	0	0	0	---
Manganese	ppm	ASTM D5185(m)		2	<1	---
Magnesium	ppm	ASTM D5185(m)	0	<1	0	---
Calcium	ppm	ASTM D5185(m)	1.7	3	<1	---
Phosphorus	ppm	ASTM D5185(m)	250	301	▲ 38	---
Zinc	ppm	ASTM D5185(m)	.3	38	11	---
Sulfur	ppm	ASTM D5185(m)		4703	2468	---
Lithium	ppm	ASTM D5185(m)		<1	<1	---

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>50	7	8	---
Sodium	ppm	ASTM D5185(m)		1	<1	---
Potassium	ppm	ASTM D5185(m)	>20	<1	<1	---

FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D974*	0.75	0.53	---	---

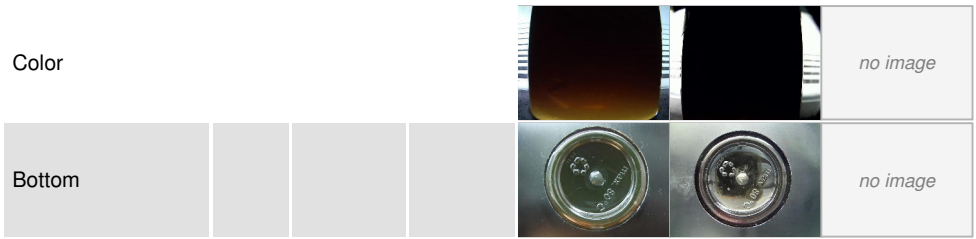
OIL ANALYSIS REPORT



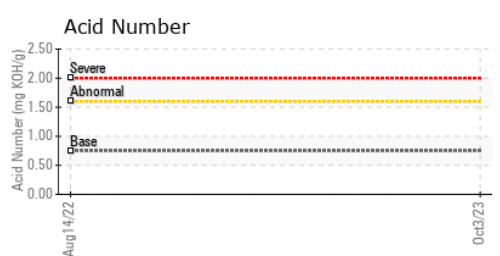
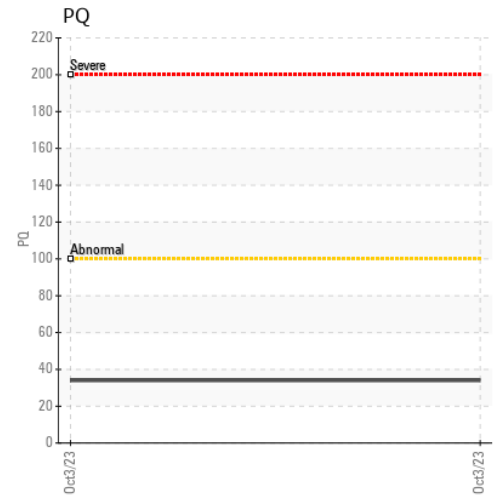
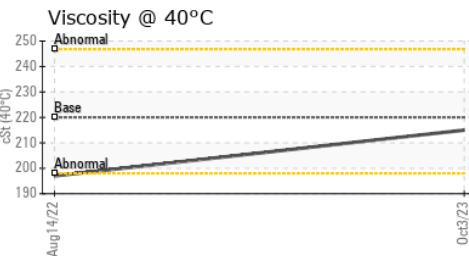
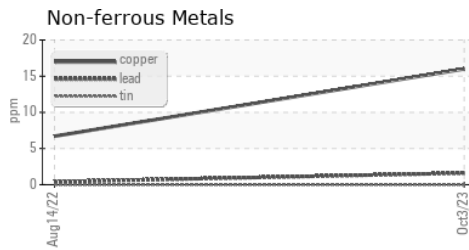
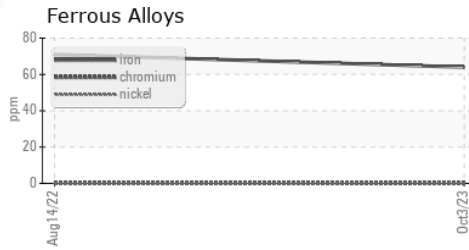
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	NONE	---
Yellow Metal	scalar	Visual*	NONE	NONE	---
Precipitate	scalar	Visual*	NONE	NONE	---
Silt	scalar	Visual*	NONE	NONE	---
Debris	scalar	Visual*	NONE	NONE	VLITE
Sand/Dirt	scalar	Visual*	NONE	VLITE	NONE
Appearance	scalar	Visual*	NORML	NORML	---
Odor	scalar	Visual*	NORML	NORML	---
Emulsified Water	scalar	Visual*	>0.1	NEG	---
Free Water	scalar	Visual*		NEG	---

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	220	215	197

SAMPLE IMAGES	method	limit/base	current	history1	history2
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GRAPHS



ISO 17025:2017
Accredited
Laboratory

Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : AW0004035 **Received** : 05 Oct 2023
Lab Number : **02587317** **Diagnosed** : 06 Oct 2023
Unique Number : 5656383 **Diagnostician** : Kevin Marson
Test Package : IND 2 (Additional Tests: TAN Man)

To discuss this sample report, contact Customer Service at 1-800-268-2131.
 Test denoted (*) outside scope of accreditation, (m) method modified, (e) tested at external lab.
 Validity of results and interpretation are based on the sample and information as supplied.

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